

BOARD OF REGENTS
UNIVERSITY OF MINNESOTA
MINNEAPOLIS, MINNESOTA 55455
April 1, 2002

TO: Office of Sea Grant
NOAA, U.S. Department of Commerce

TITLE OF PROGRAM: **Great Lakes Regional Fisheries Extension Enhancement:
Great Lakes Fisheries Leadership Curriculum Development**

AMOUNT REQUESTED: **\$25,000**

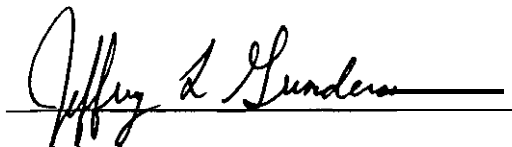
MATCHING FUNDS PROPOSED: **\$12,500**

DESIRED GRANT PERIOD: 12 months, Beginning September 1, 2002

We, the undersigned, certify that in the event this proposal is accepted, in whole or in part, our signatures on this proposal constitute acceptance of, and compliance with, statutes and regulations of the U.S. Department of Commerce.



Kevin J. McKoskey
Grant Manager
Sponsored Projects Administration
University of Minnesota
450 Gateway Bldg, 200 Oak Street
Minneapolis, MN 55455-2070
Phone (612) 624-5066
Fax (612) 624-4843



Jeffrey L. Gunderson
Director
Minnesota Sea Grant Program
University of Minnesota
2305 East Fifth Street
Duluth, MN 55812
Phone (218) 726-8715
Fax (218) 726-6556

SEA GRANT BUDGET FORM 90-4

GRANTEE: Regents of the University of Minnesota			GRANT/PROJECT NO.:	
PRIN. INVST.: Jeffrey L. Gunderson				
PROJ TITLE: Great Lakes Fisheries Leadership Extension			# MONTHS: 12	
Enhancement: Great Lakes Fisheries Leadership Curriculum Development			DURATION: 7/1/01 - 6/30/03	
A. SALARIES AND WAGES:			man-months	Sea Grant Funds
	No. of People	Amount of Effort		Matching Funds
1. Senior Personnel				
a.(Co) Principal Investigator	1	.5 Mns		2500
b. Assoc (Faculty or Staff)				
Sub Total:				2500
2. Other Personnel				
a. Professionals:				
b. Research Associates:	1	2 Mns	6011	
c. Res. Asst./Grad Students:				
d. Prof. School Students:				
e. Pre-Bachelor Student(s):				
f. Secretarial-Clerical:				
g. Technicians:	1	1.5 Mns	2288	2000
h. Other:				
Sub Total:			8299	2000
Total Salaries and Wages:			8299	4500
B. FRINGE BENEFITS:				
1. Academic Fringe	33.1%		1990	828
2. Civil Service Fringe:	31.1%		712	622
Total Fringe:			2701	1450
Total Personnel (A AND B):			11000	5950
C. PERMANENT EQUIPMENT:				
D. EXPENDABLE SUPPLIES AND EQUIPMENT:				
1.				
Total Exp Supplies & Equipment:				
E. TRAVEL:				
1. Domestic			3000	
2. International				
Total Travel:			3000	
F. PUBLICATION AND DOCUMENTATION COSTS:				
G. OTHER COSTS:				
1. Printing and duplication costs			3940	3520
2. Facilitator			1000	
Total Other:			4940	3520
TOTAL DIRECT COST (A through G):			16940	9470
INDIRECT COST (ON CAMPUS 32% OF TDC):			6060	3030
INDIRECT COST (OFF CAMPUS % OF):				
TOTAL COSTS:			250001	12500

Budget Detail - Federal
\$25,000

	Coaster Brook Trout	Fisheries Mgmt	Genetic Guidelines	Totals
Salaries:				
L. Miller			6011	6011
D. Bowen	2288			2288
Fringe:				
L. Miller			1989	1989
D. Bowen	712			712
Prof Svcs:				
Facilitator	1000			1000
Printing:				
Duplicating	2000			2000
Duplicating		1940		1940
Travel:				
GL Reg Wkshop	3000			3000
Totals Direct	9000	1940	8000	18940
IDC @ 32%	2880	620.8	2560	6060.8
	11880	2560.8	10560	25000.8

Budget Detail - Match
\$12,500

	Coaster Brook Trout	Fisheries Mgmt	Genetic Guidelines	Totals
Salaries:				
D. Bowen	1000	1000		2000
J. Gunderson	1500	1000		2500
Fringe:				
D. Bowen	311	311	0	622
J. Gunderson	497	331	0	828
Printing:				
Duplicating	1520		2000	3520
Totals Direct	4827.5	2642	2000	9470
IDC @ 32%	1545	845	640	3030
	6372	3487	2640	12500

SEA GRANT PROJECT SUMMARY FORM

INSTITUTION: University of Minnesota

TITLE: Great Lakes Regional Fisheries Extension enhancement: Great Lakes Fisheries
Leadership Curriculum Development

PROJECT NUMBER:

REVISION DATE:

PROJECT STATUS:

INITIATION DATE: 7/1/02

COMPLETION DATE: 6/31/03

SUB PROGRAM:

PRINCIPAL INVESTIGATOR: Jeffrey L. Gunderson

EFFORT:

AFFILIATION: University of Minnesota

AFFILIATION CODE:

S.G. FUNDS: \$25,000

STATE MATCHING FUNDS: \$12,500

LAST YEAR'S SG FUNDS:

LAST YR'S MATCHING FUNDS:

PASS-THROUGH FUNDS

LAST YR'S PASS-THROUGH FUNDS:

RELATED PROJECTS: proposed Fisheries Extension Enhancement: Great Lakes Fisheries
Leadership Institute

PARENT PROJECTS: NA

SEA GRANT STRATEGIC PLAN CLASSIFICATION:

OBJECTIVES:

To develop comprehensive, consistent curriculum for training emerging Great Lakes fishery leaders aimed at instilling the following essential skills and knowledge:

1. a thorough understanding of the processes which feed into fisheries management decisions
2. a basic knowledge of fishery genetics and how stocking programs can impact wild stocks
3. an understanding of native fish restoration issues based on the coaster brook trout model

METHODOLOGY:

1. A fisheries management curriculum will be developed for non-professionals to provide an understanding of the tools, techniques, and options open to fisheries managers for managing Great Lakes **fish** stocks. The curriculum will consist of a compilation of background and reference materials, activities, and presentation materials.
2. The Genetic **Guidelines** for Fisheries Management manual is currently out of print. This manual will be updated and oriented to non-professionals to provide a solid understand of fishery genetics and it how it relates to fisheries management.
3. A coaster brook trout symposium will be facilitated cooperatively with other Great Lakes state and federal partners. The symposium will produce synthesis papers on a variety of

topics related to restoration of coaster brook trout in the Great Lakes. Following the symposium, outreach materials will be developed and presented to interested Great Lakes stakeholders from the synthesis papers developed at the symposium.

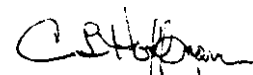
RATIONALE:

1. Fisheries management decisions impact many Great Lakes stakeholders, yet many of the stakeholders have little understanding of the tools, techniques, and options available to fishery managers. A better understanding of fisheries management by stakeholders will result in better informed input into management decisions and better management of Great Lakes fishery resources.
2. Great Lakes fisheries management relies heavily on stocking fish for restoration or to create recreational fisheries. Many of these stocking efforts are impacted by stakeholder input and can have negative impacts on the genetic integrity of wild fish stocks. Having stakeholders better educated in the area of fisheries genetics will result in better communication between fishery managers and stakeholders and better decisions regarding Great Lakes fishery management.
3. The lake trout, a native char in the Great Lakes, has made significant strides toward recovery in Lake Superior due to restoration efforts, however, another native char, the coaster brook trout, is absent or at critically low levels in most of its native habitat. Some efforts at rehabilitation have been made, but they have been piecemeal and exploratory. A symposium is needed to address and produce synthesis papers on the various components of a restoration program (such as, genetics, habitat needs, predation/competition, reintroduction protocols, population assessment, etc.). Once the synthesis papers are developed by the experts, this information needs to reach appropriate fishery stakeholders through the development of outreach materials and workshops to provide the greatest chance for successful restoration/management of coaster brook trout.

Summary of the following two budgetsOMB Control No. 0648-0362
Expiration Date 9/30/2004**SEA GRANT BUDGET FORM 90-4****GRANTEE:** Wisconsin Sea Grant Institute**SUBPROGRAM:** Advisory Services**PROJECT TITLE:** Great Lakes Fisheries Leadership Curriculum Development - Wisconsin Budget**PRINCIPAL INVESTIGATOR:** Philip Moy**PROJECT NUMBER:** A/AS-51**PROJECT STATUS:** 8**DURATION:** 6/01/02 - 5/31/03

	<u>No.</u>	<u>Months</u>	<u>Sea Grant \$</u>	<u>Grantee \$</u>
A. SALARIES AND WAGES				
1. Senior Personnel				
a. (Co) Principal Investigator:				
b. Associates (Faculty or Staff):				
Sub Total:				
2. Other Personnel				
a. Professionals:				
b. Research Associates:				
c. Res. Asst./Grad. Students:	1	2.50	5,836	
d. Prof. School Students:				
e. Pre-Bachelor Students:	1	4.50	7,202	
f. Secretarial-Clerical:				
g. Technicians:				
h. Other:				
Total Salaries and Wages:			13,038	
B. FRINGE BENEFITS (When charged as direct cost):			1,486	
Total Personnel (A and B):			14,524	
C. PERMANENT EQUIPMENT:				
D. EXPENDABLE SUPPLIES AND EQUIPMENT:				
E. TRAVEL				
1. Domestic U.S. (Inc. Puerto Rico)				
2. International				
Total Travel:				
F. PUBLICATION AND DOCUMENTATION COSTS:				
G. OTHER COSTS				
1. Summary of Other Costs items for the following two budgets			3,300	
2.				
3.				
4.				
5.				
6.				
Total Other Costs:			3,300	
H. TOTAL DIRECT COSTS (A through G):			17,824	
I. INDIRECT COST - On Campus (summary of the following two budgets)			7,176	
INDIRECT COST Off Campus _____ of _____				
Total Indirect Cost:			7,176	
J. TOTAL COSTS:			25,000	**

**Sufficient match is contained in Wisconsin Omnibus award NA16RG2257

Charles L. Hoffman, Admin. Officer
Research & Sponsored Programs

JPR 5 2002

SEA GRANT BUDGET FORM 90-4

GRANTEE: Wisconsin Sea Grant Institute

SUBPROGRAM: Advisory Services

PROJECT TITLE: Great Lakes Fisheries Leadership Curriculum Development - Wisconsin Budget (UW-Manitowoc)

PRINCIPAL INVESTIGATOR: Philip Moy

PROJECT NUMBER: A/AS-51

PROJECT STATUS: 8

DURATION: 6/01/02 - 5/31/03

	No.	Months	Sea Grant \$	Grantee \$
A. SALARIES AND WAGES				
1. Senior Personnel				
a. (Co) Principal investigator:				
b. Associates (Faculty or Staff):				
Sub Total:				
2. Other Personnel				
a. Professionals:				
b. Research Associates:				
c. Res. Asst./Grad. Students:	1	2.50	5,636	
d. Prof. School Students:				
e. Pre-Bachelor Students:				
f. Secretarial-Clerical:				
g. Technicians:				
h. Other:				
Total Salaries and Wages:			5,836	
B. FRINGE BENEFITS (When charged as direct cost):			1,342	
Total Personnel (A and B):			7,178	
C. PERMANENT EQUIPMENT:				
D. EXPENDABLE SUPPLIES AND EQUIPMENT:				
E. TRAVEL				
1. Domestic U.S. (Inc. Puerto Rico)				
2. International				
Total Travel:				
F. PUBLICATION AND DOCUMENTATION COSTS:				
G. OTHER COSTS				
1. ANS module printing and copying			1,500	
2.				
3.				
4.				
5.				
6.				
Total Other Costs:			1,500	
H. TOTAL DIRECT COSTS (A through G):			a.678	
I. INDIRECT COST On Campus 42.0% of 7,178			3,015	
INDIRECT COST Off Campus of				
Total Indirect Cost:			3,015	
TOTAL COSTS:			11,693	**

"Sufficient match is contained in Wisconsin Omnibus award NA16RG2257


Charles L. Hoffman, Admin. Officer
Research & Sponsored Programs

APR 5 2002

Budget Detail

Project Title: Great Lakes Fisheries Leadership Curriculum Development-Wisconsin Budget (UW-Manitowoc)

Investigators: Philip Moy

Project Number: A/AS-51

Budget Period: 6/01/02 - 5/31/03

B. Fringe Benefits	Rate	Base	Amount
A.2.c. Res. Asst./Grad. Students	23.00%	5,836	1,342
Total			1,342

I. Indirect Costs	Rate	Base	Amount
Salary and fringe benefits	42.00%	7,178	3,015

SEA GRANT BUDGET FORM 90-4

GRANTEE: Wisconsin Sea Grant Institute

SUBPROGRAM: Advisory Services

PROJECT TITLE: Great Lakes Fisheries Leadership Curriculum Development -Wisconsin Budget (UW-Madison)

PRINCIPAL INVESTIGATOR: Philip Moy

PROJECT NUMBER: A/AS-51

PROJECT STATUS: 8

DURATION: 6/01/02 - 5/31/03

	No. Months	Sea Grant \$	Grantee \$
A. SALARIES AND WAGES			
1. Senior Personnel			
a. (Co) Principal Investigator:			
b. Associates (Faculty or Staff):			
Sub Total:			
2. Other Personnel			
a. Professionals:			
b. Research Associates:			
c. Res. Asst./Grad. Students:			
d. Prof. School Students:			
e. Pre-Bachelor Students:	1	4.50	7,202
f. Secretarial-Clerical:			
g. Technicians:			
h. Other:			
Total Salaries and Wages:		7,202	
B. FRINGE BENEFITS (When charged as direct cost):		144	
Total Personnel (A and B):		7,346	
C. PERMANENT EQUIPMENT:			
D. EXPENDABLE SUPPLIES AND EQUIPMENT:			
E. TRAVEL			
1. Domestic U.S. (Inc. Puerto Rico)			
2. International			
Total Travel:			
F. PUBLICATION AND DOCUMENTATION COSTS:			
G. OTHER COSTS			
1. Graduate student tuition remission (25% of Graduate Students)			
2. CD Production and duplicating		1,800	
3.			
4.			
5.			
6.			
Total Other Costs:		1,800	
H. TOTAL DIRECT COSTS (A through G):		9,146	
I. INDIRECT COST On Campus 45.5% of 9,146		4,161	
INDIRECT COST Off Campus of			
Total Indirect Cost:		4,161	
J. TOTAL COSTS:		13,307	**

"Sufficient match is contained in Wisconsin Omnibus award NA16RG2257


 Charles L. Hoffman, Admin. Officer
 Research & Sponsored Programs

APR 5 2003

Budget Detail

Project Title: Great Lakes Fisheries Leadership Curriculum Development-Wisconsin Budget (UW-Madison)

Investigators: Philip Moy

Project Number: A/AS-51

Budget Period: 6/01/02 - 5/31/03

B. Fringe Benefits	Rate	Base	Amount
A.2.e. Pre-Bachelor Students	2.00%	7,202	<u>144</u>
Total			<u><u>144</u></u>
I. Indirect Costs	Rate	Base	Amount
Modified total direct costs	45.50%	9,146	4,161

Mar 7, 2002

NOAA
Nat'l Oceanic & Atmospheric Admin.
1315 East-West Highway
Silver Spring, MD 20910

U of I REF No.: 02-COMO-W-0539
TITLE: Great Lakes Networks Regional Fisheries Extension Enhancement
AMOUNT: \$13,000
PERIOD: 06/01/02 - 05/30/03
PRINCIPAL INVESTIGATOR: Richard Warner
DEPARTMENT: ACES
TYPE OF REQUEST: &New Request, Supplement,
Continuation, Renewal for Existing Award

REVISION OF ORIGINAL PROPOSAL TRANSMITTED ON

' PROPOSAL NUMBER:

Enclosed are copies of the above referenced proposal. This proposal has been approved for submission by the proper University administrative official(s).

Your consideration will be appreciated. Any contract or grant supporting the above described project must be issued in the University's corporate name, The Board of Trustees of the University of Illinois.

Any questions of a non-technical nature regarding this proposal should be addressed to the individual marked below at (217) 333-2187.

Carl Moore

Vicki Fair XX
Susan Zukosky

Danny Lienard
Lauren Goralski

Sue Rhodes
Amy Wendling

Suzanne Rinehart

Sincerely,



Kathy S. Young, Associate Director
Grant and Contract Administration

KSY: pd

Enclosure

cc: Dept.

APPLICATION FOR FEDERAL ASSISTANCE

OMB Approval No. 0348.0043

1. TYPE OF SUBMISSION: <input type="checkbox"/> Application <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction		2. DATE SUBMITTED 3/7/02		Applicant Identifier 02-COM-W -0540																													
		3. DATE RECEIVED BY STATE		State Application Identifier																													
		4. DATE RECEIVED BY FEDERAL AGENCY		Federal Identifier																													
5. APPLICANT INFORMATION																																	
Legal Name: The Board of Trustees of the University of Illinois			Organizational Unit: Illinois-Indiana Sea Grant ACES College Program																														
Address (give city, county, State, and zip code): c/o Grants And Contracts 801 South Wright Street Champaign, Illinois 61820			Name and telephone number of person to be contacted on matters involving this application (give area code) Richard Warner (Technical) 217-333-5199 Vicki Vair (Business) 217-333-2187																														
6. EMPLOYER IDENTIFICATION NUMBER (EIN): 37-6000511			7. TYPE OF APPLICANT: (enter appropriate letter in box) <div style="display: flex; justify-content: space-between;"> <div> A. State B. County C. Municipal D. Township E. Interstate F. Intermunicipal G. Special District </div> <div> H. Independent School Dist. I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify) _____ </div> </div>																														
8. TYPE OF APPLICATION: <div style="display: flex; justify-content: space-around;"> <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision </div> If Revision, enter appropriate letter(s) in box(es) <input type="checkbox"/> <input type="checkbox"/> <div style="display: flex; justify-content: space-between; font-size: small;"> <div> A. Increase Award D. Decrease Duration </div> <div> B. Decrease Award Other(specify): _____ </div> <div> C. Increase Duration </div> </div>			NAME OF FEDERAL AGENCY: NOAA/Sea Grant																														
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: 11-417			1. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: Great Lakes Regional Fisheries Extension Enhancement																														
12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.): Illinois and Indiana			TITLE:																														
13. PROPOSED PROJECT Start Date: 6/1/02 Ending Date: 5/30/03		14. CONGRESSIONAL DISTRICTS OF: a. Applicant: IL-15 b. Project: IL-15 and IN-1																															
15. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;">a. Federal</td> <td style="width:10%;">\$</td> <td style="width:20%;">13,000</td> <td style="width:10%;">.00</td> </tr> <tr> <td>b. Applicant</td> <td>\$</td> <td>6,500</td> <td>.00</td> </tr> <tr> <td>c. State</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>d. Local</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>e. Other</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>f. Program Income</td> <td>\$</td> <td></td> <td>.00</td> </tr> <tr> <td>g. TOTAL</td> <td>\$</td> <td>19,500</td> <td>.00</td> </tr> </table>		a. Federal	\$	13,000	.00	b. Applicant	\$	6,500	.00	c. State	\$.00	d. Local	\$.00	e. Other	\$.00	f. Program Income	\$.00	g. TOTAL	\$	19,500	.00	a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: _____ DATE _____ b. No. <input checked="" type="checkbox"/> PROGRAM IS NOT COVERED BY E. O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW			
a. Federal	\$	13,000	.00																														
b. Applicant	\$	6,500	.00																														
c. State	\$.00																														
d. Local	\$.00																														
e. Other	\$.00																														
f. Program Income	\$.00																														
g. TOTAL	\$	19,500	.00																														
		17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes If 'Yes,' attach an explanation. <input type="checkbox"/> No																															
18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.																																	
a. Type Name of Authorized Representative Paul Bohn		b. Title Interim Chair, Rsch Board		c. Telephone Number 217-333-2187																													
d. Signature of Authorized Representative <i>Paul W. Bohn</i>		e. Date Signed 3/7/02																															

SEA GRANT BUDGET FORM 90-4

For Illinois-Indiana Sea Grant Portion of the
Great Lakes Network Regional Fisheries Extension Proposal

GRANTEE: Illinois-Indiana Sea Grant			GRANT/PROJECT NO.:	
PRINCIPAL INVESTIGATOR: Dick Warner and Brian Miller			DURATION (months): 6/1/02-5/31/03	
SALARIES AND WAGES:			months	Yr.
	No. of People	man-months Amount of Effort	Sea Grant Funds	Matching Funds
1. Senior Personnel				
a. (Co) Principal Investigator:	1	.6		4.077
b. Associates (Faculty or Staff):				
Sub Total:	1	.6		4.077
2. Other Personnel				
a. Professionals:				
b. Research Associates:				
c. Res. Asst./Grad. Students:				
d. Prof. School Students:				
e. Pre-Bachelor Student(s):				
f. Secretarial-Clerical:				
g. Technicians:				
h. Other:				
Total Salaries and Wages:	1	.6		4.077
B. FRINGE BENEFITS: 27.65%				1.127
Total Personnel (A and B):				5.204
C. PERMANENT EQUIPMENT:				
D. EXPENDABLE SUPPLIES AND EQUIPMENT:			1.608	
E. TRAVEL:				
1. Domestic			800	
2. International				
Total Travel:			800	
F. PUBLICATION AND DOCUMENTATION COSTS:			4.000	
G. OTHER COSTS:				
1. Consultant-graphic artist			4.000	
2.				
3.				
4.				
5.				
Etc.				
Total Other Costs:			4.000	
TOTAL DIRECT COST (A through G):			10.408	5.204
INDIRECT COST (On campus % of):				
INDIRECT COST (Off campus 24.9 % of 10,408):			2.592	1.296
Total Indirect Cost:				
TOTAL COSTS:			13.000	6.500

BUDGET JUSTIFICATION
For the Illinois-Indiana Sea Grant portion of the
Great Lakes Fisheries Leadership Institute

<u>staff Salaries</u>	<u>Sea Grant Person Months</u>	<u>Grantee Share Person Months</u>
\$6,272		.8

Fringe

Rates determined by University of Illinois based upon percentage of Salary

Professional	27.65%
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Fringe rates include Worker's Compensation, Retirement, Health and Life Insurance, Dental Coverage and Termination Benefits.

Expendable Supplies and Equipment

Based on historical rates, covers the cost of materials necessary to plan, implement, and evaluate Sea Grant extension programs outlined in the proposal, including computer software, disks, paper, printer cartridges, letterhead, misc. consumable supplies, participant training materials, film, videotapes, etc.

Travel

Covers all local, regional, and national travel costs to administer and conduct activities outlined in this proposal. Includes travel for 14 leadership institute participants (7 ~~from both~~ Indiana and Illinois) to attend state and regional training sessions covered by the institute at \$1,000 each. Also covers travel of Sea Grant staff to conduct these trainings and to plan and implement trainings with other regional Sea Grant staff. Funds will cover 2 overnight trips to regional locations at \$400 each. All travel estimates are based on standard university mileage and per diem rates.



THE UNIVERSITY OF MICHIGAN
DIVISION OF RESEARCH DEVELOPMENT AND ADMINISTRATION

3003 South State Street
Ann Arbor, MI 48109-1274

April 12, 2002

Dear National Sea Grant Office,

The enclosed, University of Michigan Proposal No. DRDA 02-3358,
submitted on behalf of George Carignan has **been approved**
on behalf of the **REGENTS OF THE UNIVERSITY OF MICHIGAN** by the
appropriate University official.

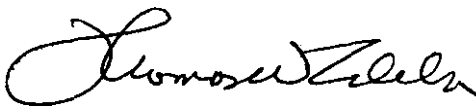
Please direct all administrative questions, and copies of all
correspondence, to:

Sharyn I. Sivy, Project Representative
UNIVERSITY OF MICHIGAN
Division of Research Development & Administration
3003 South State Street, Room 1082
Ann Arbor, MI 48109-1274

Phone: 734 936 1296
Fax: 734 763 4053
Email: ssivy@umich.edu

We look forward to working with you.

Sincerely,


for Sharyn I. Sivy
Project Representative

APPLICATION FOR
FEDERAL ASSISTANCE

1. TYPE OF SUBMISSION <i>Application</i> <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction		2. DATE SUBMITTED 04/10/02		Applicant Identifier DRDA 02-3358	
<i>Preapplication</i> <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		3. DATE RECEIVED BY STATE		State Applicant Identifier	
		4. DATE RECEIVED BY FEDERAL AGENCY		Federal Identifier	

5. APPLICANT INFORMATION

Legal Name: Regents of the University of Michigan	Organizational Unit: Michigan Sea Grant College Program
Address (give city, county, state, and zip code): 1066 Wolverine Tower 3003 South State Street Ann Arbor, MI 48109-1247	Name and telephone number of person to be contacted on matters involving this application (give area code) Budgetary: Elyse Larsen 2200 Bonisteel Blvd. Ann Arbor, MI 48109-2099 (734) 763-1438 Contractual: Sharyn I. Sivyer, Rm. #1082, 3003 South State Street University of Michigan Ann Arbor, MI 48109-1273 (734) 936-1296

6. EMPLOYER IDENTIFICATION NUMBER (EIN):

3	8	-	6	0	0	6	3	0	9
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8. TYPE OF APPLICATION

☐ New ☒ Continuation ☐ Revision

If Revision, enter appropriate letter(s) in box(es):

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A. Increase Award B. Decrease Award C. Increase Duration
D. Decrease Duration Other (specify):

7. TYPE OF APPLICANT: (enter appropriate letter in box)

1

- A. State H. Independent School Dist.
B. County I. State Controlled Institution of Higher Learning
C. Municipal J. Private University
D. Township K. Indian Tribe
E. Interstate L. Individual
F. Intermunicipal M. Profit Organization
G. Special District N. Other (Specify)

NAME OF FEDERAL AGENCY:

National Sea Grant College Program
National Oceanic & Atmospheric Administration
Department of Commerce

10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:

1	1	.	4	1	7
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TITLE: Sea Grant Support

12. AREAS AFFECTED BY PROJECT (cities, counties, states, etc.):

US., Michigan, Ohio, Pennsylvania, Illinois, Wisconsin, Indiana, Minnesota, New York

13. PROPOSED PROJECT:

Start Date 07/01/02
Ending Date 06/30/03

14. CONGRESSIONAL DISTRICTS OF:

a. Applicant: Thirteen

11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:

Michigan Sea Grant College Program - Fisheries Extension
Enhancement: Great Lakes Fisheries Curriculum Development
Omnibus Award - NA16RG1145

b. Project: Multi-State

15. ESTIMATED FUNDING:

a. Federal	\$	37,000.00
b. Applicant		.00
c. State		.00
d. Local	\$.00
e. Other	\$	17,197.00
f. Program Income	\$.00
g. TOTAL	\$	54,197.00

16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?

a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE
AVAILABLE TO THE STATE EXECUTIVE ORDER 12372
PROCESS FOR REVIEW ON:


DATE

- b. NO. ☐ PROGRAM IS NOT COVERED BY E.O. 12372
☐ OR PROGRAM HAS NOT BEEN SELECTED BY STATE
FOR REVIEW

17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?

☐ Yes If "Yes," attach an explanation. ☐ No

18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.

a. Typed Name of Authorized Representative James R. Randolph	b. Title Sr Assoc Director, Division of Research Development & Administration	c. Telephone number 734-647-3263
d. Signature of Authorized Representative 	e. Date Signed 4/12/02	

National Oceanic and Atmospheric Administration (NOAA)

Form 90-4 (Adapted)

Project Status: 1(New)

Grantee: Michigan Sea Grant College Program

Project Title: Fisheries Extension Curriculum Development

Principal Investigator: George Carignan

Institution: University of Michigan

Project Number: Summary

Project Period: 07/01/02 - 06/30/03

	No. of Personnel	Months of Effort	Sea Grant Funds	Matching Funds
A. Salaries & Wages				
1) Senior Personnel				
a. (Co) Principal Investigator(s)	3	1.84	2,231	5,200
b. Associate (Faculty or Staff)	0	0	-	-
2) Other Personnel				
a. Communication Coordinator - E. Laporte	0	0	-	-
b. Editor - J. Daniel:s	0	0	-	-
c. Web Design - D. Brenner	0	0	-	-
d. Prof. School Students	1	3	3,600	-
e. Pre-Bac Students	0	0	-	-
f. Secretarial-Clerical	0	0	-	-
g. Technical-Shop	0	0	-	-
h. Misc./Consultants	0	0	-	-
Total Salaries & Wages (A1a-A2h)			5,831	5,200
B. Fringe Benefits				
1)			580	1,768
2)			1,364	-
Total Fringe Benefits			1,944	1,768
Total Salaries & Fringe Benefits			7,775	6,968
C. Permanent Equipment				
D. Expendable Supplies			250	-
E. Travel				
1) Domestic U.S. (Inc. Puerto Rico)			1,536	-
2) Foreign			-	-
Total Travel			1,536	-
F. Publication & Documentation Costs			16,674	
G. Other Costs				
1)			-	-
2)			-	-
3)			-	-
4)			-	-
5) Workshop Expenses			9,697	-
6)			-	-
Total Other Costs			9,697	-
Total Direct Costs			35,932	6,968
H. Indirect Costs				
1)			1,068	1,812
2)				8,417
Total Indirect Costs			1,068	10,228
Total Cost			37,000	17,196

* Sufficient match is contained in Michigan Omnibus award NA16RG1145

SEA GRANT PROJECT SUMMARY FORM

- (1) INSTITUTION: University of Michigan (1a) ICODE: 2600
(2) TITLE: Great Lakes Fishery Agencies: Institutional Arrangements, Funding and Politics
(3) PROJECT NUMBER: **M/MP- 1** (4) REVISION DATE:
(5) PROJECT STATUS: Continuing (6) INITIATION DATE: **07/01/02**
(7) COMPLETION DATE: **06/30/03**
- (8) SUB PROGRAM: Administration
- (9) PRINCIPAL INVESTIGATOR: Jennifer Read (9a) EFFORT: 1.0
(9b) AFFILIATION: University of Michigan
(9c) AFFILIATION CODE: 2601
- (10) CO-PRINCIPAL INVESTIGATOR: (10a) EFFORT:
(1 Ob) AFFILIATION:
(1 Oc) AFFILIATION CODE:
- (11) ASSOCIATE INVESTIGATOR 1: (1 la) EFFORT:
(11 b) AFFILIATION:
(11 c) AFFILIATION CODE:
- (12) ASSOCIATE INVESTIGATOR 2: (12a) EFFORT:
(12b) AFFILIATION:
(12c) AFFILIATION CODE:
- (13) S.G. FUNDS: **\$4,629** (14) STATE MATCHING FUNDS: (sufficient match
is contained in Michigan Omnibus award **NA16RG1145**)
(15) LAST YEAR'S SG FUNDS: (16) LAST YEAR'S MATCHING FUNDS:
(17) PASS-THROUGH FUNDS: (18) LAST YEAR'S PASS-THROUGH FUNDS:
(19) RELATED PROJECTS:
(20) PARENT PROJECTS:
(21) SEA GRANT STRATEGIC PLAN CLASSIFICATION: **152-Sea Grant Extension – Special
Projects**
- (22) OBJECTIVES:
- 1) Development of Great Lakes fishery **stakeholders** (primarily citizen volunteers) who **are** able to identify the administrators and legislators with whom they need to work to address the issues they wish resolved.
 - 2) **Great Lakes Fishery Agencies: Institutional Arrangements, Funding and Politics** will **be** the most accurate description of the roles and responsibilities of the various agencies and organizations involved in Great Lakes fishery research and management.
 - 3) **Great Lakes Fishery Agencies: Institutional Arrangements, Funding and Politics** will become the primary tool for informing Great **Lakes** fishery stakeholders about the roles, responsibilities and interrelationships of Great Lakes fishery research and management agencies and organizations.

(23) METHODOLOGY:

- 1) Conduct a **literature** search and review (theoretical and applied), with an emphasis on institution-specific analyses in order to identify key Great Lakes fishery research and management actors at the regional, federal and state level.
- 2) Contact identified agency, organization and laboratory directors to acquire enabling legislation/regulations outlining mandate/mission, roles and responsibilities.
- 3) Follow up interviews with select agency, organization and laboratory directors to determine agency and organization interrelationships.
- 4) Develop narrative description of key agency and organization roles, responsibilities and relationships **with** other Great Lakes fishery organizations. Outline the role of state and federal legislators in appropriations and legislative activities and list strategies for effectively delivering key messages.

(24) RATIONALE:

One of the most significant knowledge gaps citizen volunteers face in effectively addressing Great Lakes fishery issues is an imperfect understanding of who is responsible for the various aspects of fisheries policy coordination and development, management and enforcement. The Institutional Arrangements, Funding and Politics module is designed to address this need. **The curriculum** developed for this module will identify all international, regional, federal and state institutions and agencies with a role in Great Lakes fisheries research and management, outline their authorizing legislation or legal foundation, explain their mandates and roles, identify those other organizations with which they most often interact, describe the mechanisms through which those interactions occur, and name key contact positions and people. This **module** will also outline how the various institutions and agencies are funded. It will identify the key legislators and committees with responsibility either for appropriating operating funds or for other legislative issues related to the agency.

Products:

With resources provided through the Sea Grant Fisheries Extension Great Lakes regional allocation, the following products will **be** developed:

- 1) A narrative document **describing** the key Great Lakes fishery management and research agencies and organizations, including their mandate/mission, role and responsibilities. The document will also outline the role of state and federal legislators in appropriations and legislative activities and list strategies for effectively delivering key messages.
- 2) A graphic representation of the interrelationships of Great Lakes fishery management and research agencies and organizations.
- 3) A World Wide Web component of the first two products on either the Great Lakes Sea **Grant** Network site or the Michigan Sea Grant site.

OMB Control No. 0648-0362
Expiration Date 9/30/2004

National Oceanic and Atmospheric Administration (NOAA)

Form 90-4 (Adapted)

Project Status: I(New)

Grantee: Michigan Sea Grant College Program

Project Title: Great Lakes Fishery Agencies: Institutional

Arrangements, Funding&Politics

Principal Investigator: Jennifer Read

Institution: University of Michigan

Project Number:

Project Period: 07/01/02 - 06/30/03

	No. of Personnel	Months of Effort	Sea Grant Funds	Matching Funds
A. Salaries & Wages				
1) Senior Personnel				
a. (Co) Principal Investigator(s) Read (20days)	1	1.0	2,231	
b. Associate (Faculty or Staff)				
2) Other Personnel				
a. Communication Coordinator - E. Laporte				
b. Editor - J. Daniels				
c. Web Design - D. Brenner				
d. Prof. School Students				
e. Pre-Bac Students				
f. Secretarial-Clerical				
g. Technical-Shop				
h. Misc./Consultants				
Total Salaries & Wages (A1a-A2h)			2,231	-
B. Fringe Benefits				
1) @ 26% of \$2,231			580	-
2) @ 30% of \$3,693				
Total Fringe Benefits			580	-
Total Salaries & Fringe Benefits			2,811	-
C. Permanent Equipment				
D. Expendable Supplies			250	
E. Travel				
1) Domestic U.S. (Inc. Puerto Rico)				
2) Foreign				
Total Travel			-	-
F. Publication & Documentation Costs			500	
G. Other Costs				
1)				
2)				
3)				
4)				
5)				
6)				
Total Other Costs			-	-
Total Direct Costs			3,561	-
H. Indirect Costs				
1) 30% of 3,561			1,068	-
2)				
Total Indirect Costs			1,068	-
Total Cost			4,629	-

* Sufficient match is contained in Michigan Omnibus award NA16RG1145

Sea Grant Project Summary

Title: Michigan Sea Grant Extension, Fisheries Extension Coordination

Project Number:	A/FP-1	Revision Date:
Grant Number:	Proposal	Initiation Date: 07/01/02
Project Status:	Continuing	Completion Date: 06/30/03
Principal Investigator:	John D. Schwartz	Months of Effort: 12
Affiliation:	MSU Extension Michigan State University	

Proposed Fed Funds:	\$15,000.	Proposed Match Funds:	\$7,614
Current Fed Funds:		Current Match Funds:	
Fed Funds to Date:		Match Funds to Date:	

Related Projects: All

Sea Grant Classification: 152 – Marine Advisory Service – Special Projects

Keywords: Extension, marine, Great Lakes, Fisheries Leadership, Fisheries Extension Coordination

The Great Lakes Fisheries Leadership Curriculum Development and Great Lakes Fisheries Leadership Institute will be coordinated by Rochelle **Sturtevant**, Great Lakes Sea Grant Extension Agent at the Great Lakes Environmental Research Laboratory (**NOAA/GLERL**). This position was developed in part to increase regional coordination of the Great Lakes Sea Grant Network as well as to increase transfer of scientific expertise from **NOAA/GLERL** to Great Lakes constituents via Great Lakes Sea Grant Extension. As such, the position is uniquely suitable as a springboard for coordination of a regional effort. Like the regional position itself, fisheries extension coordination funds will be budgeted through Michigan Sea Grant. **NOAA/GLERL** hosted the Great Lakes Sea Grant Network planning sessions for development of the Fisheries Extension Enhancement proposals, including the session for input from partners. Similar meetings and conference calls needed as the process unfolds will also be hosted at **NOAA/GLERL**. For work on the Great Lakes Fisheries Leadership Curriculum Development, individual programs have taken responsibility for development of particular curriculum elements (as outlined above) and coordination will consist principally in prevention of overlap or gaps. Great Lakes Sea Grant Network Communicators have produced a catalog of fisheries outreach materials currently available through each program which should assist in identifying programs likely to want **significant** input into development of individual curriculum elements. Communicators will also develop a consistent ‘look’ for all curriculum elements to aid integration into a single package.

National Oceanic and Atmospheric Administration (NOAA)

Form 90-4 (Adapted)

Project Status: 1(New)

Grantee: Michigan Sea Grant College Program

Project Title: Fisheries Extension Coordination

Principal Investigator: John Schwartz

Institution: Michigan State University

Project Number:

Project Period: 07/01/02 - 06/30/03

	No. of Personnel	Months of Effort	Sea Grant Funds	Matching Funds
A. Salaries & Wages				
1) Senior Personnel				
a. (Co) Principal Investigator(s)	1	0.3		2,200
b. Associate (Faculty or Staff)				
2) Other Personnel				
a. Coordinator - R. Sturtevant				
b. Editor -				
c. Web Design -				
d. Grad Student				
e. Pre-Bac Students				
f. Secretarial-Clerical				
g. Technical-Shop				
h. Misc./Consultants				
Total Salaries & Wages (A1a-A2h)			-	2,200
B. Fringe Benefits				
1) @ 34% of \$2,200			-	748
2)			-	
Total Fringe Benefits			-	748
Total Salaries & Fringe Benefits			-	2,948
C. Permanent Equipment				
D. Expendable Supplies				
E. Travel				
1) Domestic U.S. (Inc. Puerto Rico)				
2) Foreign				
Total Travel			-	-
F. Publication & Documentation Costs			5,303	
G. Other Costs				
1)				
2)				
3)				
4)				
5) Workshop Expenses			9,697	
6)				
Total Other Costs			9,697	-
Total Direct Costs			15,000	2,948
H. Indirect Costs				
1) 26% of 15,000/2,948			*	766
2) Waived indirect cost applied to match				3,900
Total Indirect Costs			-	4,666
Total Cost			15,000	7,614

Sea Grant Budget
6/1/02-5/31/03Grantee
Michigan Sea Grant Extension, Fisheries Extension CoordinationProject Number
A/FP-1Principal Investigator
John D. Schwartz, MSUDuration (Months)
12 Months**A. Salaries & Wages**

1. Sr. Personnel

	Man-Months	Sea Grant	Grantee
a. Project Leader	0 . 3 4		\$2,200
b. Associates			

2. Other Personnel

a. Professionals
 b. Communications Associate
 c. Graduate Students
 d. Secretarial - Clerical

Total Salaries & Wages	\$0	\$2,200
B. Fringe Benefits		
@34%	\$0	\$748
Grad. Stucenk @37.9%	\$0	
Total A & B	\$0	\$2,948

C. Permanent Equipment

D. Expendable Equipment

E. Travel - Domestic

F. Publications & Documentation Cost \$5,303

G. Other Costs

Workshop Expenses \$9,697
 Contract sew. \$0

Total Other Costs	\$9,697	\$0
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Total Direct Costs	\$15,000	\$2,948
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Indirect Costs @ 26%		\$766
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Total Indirect Costs	\$0	\$4,666
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Total Costs	\$15,000	\$7,614
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• Waived indirect cost applied to match. \$3,900

Sea Grant Project Summary

Title: Michigan Sea Grant Extension, Life of the Lakes

Project Number:	A/FP-1	Revision Date:
Grant Number:	Proposal	Initiation Date: 07/01/02
Project Status:	Continuing	Completion Date: 06/30/03
Principal Investigator:	John D. Schwartz	Months of Effort: 12
Affiliation:	MSU Extension Michigan State University	

Proposed Fed Funds:	\$17,371	Proposed Match Funds:	\$9,582
Current Fed Funds:		Current Match Funds:	
Fed Funds to Date:		Match Funds to Date:	

Related Projects: All

Sea Grant **Classification:** 152 -Marine Advisory Service-Special Projects

Keywords: Extension, marine, Great Lakes, Fisheries Leadership, Life of the Lakes

Update ‘Life of the Lakes’

The “Life of the Lakes: The Great Lakes Fishery” was developed by the Great Lakes Sea Grant Network and produced by Michigan Sea Grant in the early 1990's. Although it was primarily for a high school audience, fourth grade through college level educators have used it, as have resource professionals. This set of educational materials has met the high educational standards of the American Fisheries Society Educational Committee and has ranked **well** in evaluative research conducted for the Great Lakes Fishery Trust. Few complete sets remain, and many aspects of the materials have become outdated. Therefore, ***Life of the Lakes*** products will be reviewed and a new, flip-guide, version will be developed to use as a central educational curriculum component for the Great Lakes Fishery Leadership Institute. New modules **will** focus on aquatic nuisance species, habitat change and loss and other issues related to fishery health. A stand-alone educational component of the “Life of the Lakes,” such as a CD, can be **utilized** in many venues (e.g., classrooms, workshops, nature centers) to encourage children and adults to be stewards of the Great Lakes. AU Great Lakes Sea Grant programs **will** be encouraged to provide content and input into the revised materials. Michigan Sea Grant (Elizabeth **LaPorte**) **will** coordinate the effort to produce and market an updated version of the ***Life of the Lakes*** incorporating new technologies such as CD, digital video and web-based components.

National Oceanic and Atmospheric Administration (NOAA)

Form 90-4 (Adapted)

Project Status: 1(New)

Project Number:

Grantee: Michigan Sea Grant College Program

Project Title: Fisheries Extension/Life of the Lakes

Principal Investigator: John Schwartz

Project Period: 07/01/02 06/30/03

Institution: Michigan State University

	No. of Personnel	Months of Effort	Sea Grant Funds	Matching Funds
A. Salaries & Wages				
1) Senior Personnel				
a. (Co) Principal Investigator(s)	1	0.5		3,000
b. Associate (Faculty or Staff)				
2) Other Personnel				
a. Coordinator - R. Sturtevant				
b. Editor -				
c. Web Design -				
d. Grad Student	1	3.0	3,600	
e. Pre-Bac Students				
f. Secretarial-Clerical				
g. Technical-Shop				
h. Misc./Consultants				
Total Salaries & Wages (A1a-A2h)			3,600	3,000
B. Fringe Benefits				
1) @ 34% of \$3,000			-	1,020
2) @ 37.9% of \$3,600			1,364	
Total Fringe Benefits			1,364	1,020
Total Salaries & Fringe Benefits			4,964	4,020
C. Permanent Equipment				
D. Expendable Supplies				
E. Travel				
1) Domestic U.S. (Inc. Puerto Rico)			1,536	
2) Foreign				
Total Travel			1,536	-
F. Publication & Documentation Costs			10,871	
G. Other Costs				
1)				
2)				
3)				
4)				
5)				
Total Other Costs			-	-
Total Direct Costs			17,371	4,020
H. Indirect Costs				
1) 26% of 17,371/4,020			*	1,045
2) Waived indirect cost applied to match				4,517
Total Indirect Costs			-	5,562
Total Cost			17,371	9,582

Sea Grant Budget
6/1/02-5/31/03

Grantee
Michigan Sea Grant Extension, Life of the Lakes

Project Number
A/FP-1

Principal Investigator
John O. Schwartz, MSU

Duration (Months)
12 Months

A. Salaries & Wages

1. Sr. Personnel

	Man-Months	Sea Grant	Grantee
a. Project Leader	0.5		\$3,000 ✓
b. Associates			

2. Other Personnel

a. Professional		
b. Communications Associate		
c. Graduate Students	3	\$3,600 ✓
d. Secretarial - Clerical		

Total Salaries & Wages	\$3,600 ✓	\$3,000 ✓
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B. Fringe Benefits

@34%	\$0 ✓	\$1,020 ✓
Grad. Students @37.9%	\$1,364	

Total A & B	\$4,964 ✓	\$4,020 ✓
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C. Permanent Equipment

D. Expendable Equipment

E. Travel - Domestic align="right">\$1,536 ✓

F. Publications & Printing Costs align="right">\$10,671 ✓

G. Other Costs

1. Telephone & Postage, Copies

Total Other Costs	\$0	\$0
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Total Direct Costs	\$17,371 ✓	\$4,020 ✓
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Indirect Costs @ 26%		\$1,045 ✓
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Total Indirect Costs	\$0	\$5,562 ✓
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Total Costs	\$17,371 ✓	\$9,592 ✓
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• Waived indirect cost applied to match. align="right">94,517

21 March 2002

TO: The Office of Sea Grant
NOAA, U.S. Department of Commerce

TITLE OF PROGRAM: Ohio Sea Grant College Program
Supplemental **Funding** Request for
Regional Fisheries Extension

AMOUNTS REQUESTED: \$30,000

MATCHING FUNDS: \$15,001

PREVIOUS GRANT AMOUNT: **\$1,059,200**

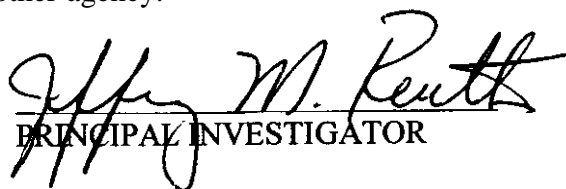
DESIRED GRANT PERIOD: 3/1/2002 – 2/28/2003

GRANT:

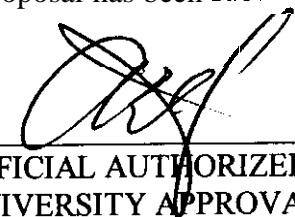
UNIVERSITY OFFICIAL TO BE CONTACTED REGARDING GRANT NEGOTIATION:

Anthony R. Howard
The Ohio State University
Research Foundation
590 W. Hayes Drive
112 Ag. Engineering
Columbus, OH 43210
614/292-3730

We, the undersigned, certify that in the event this proposal is accepted, in whole or in part, our signatures on this proposal constitute acceptance of and compliance with statutes and regulations of the U.S. government and the U.S. Department of Commerce. This proposal has been **submitted** to no other agency.


PRINCIPAL INVESTIGATOR

Jeffrey M. Reutter, Director
Ohio Sea Grant College Program
The Ohio State University
1314 **Kinnear** Road
Columbus, OH 43212-1194
614/292-8949


OFFICIAL AUTHORIZED TO GIVE
UNIVERSITY APPROVAL

Anthony **R.** Howard
Ohio State Univ. Research Foundation
1960 Kenny Road
Columbus, OH 43210
614/292-3730

OHIO SEA GRANT BUDGET FORM 90-4

GRANTEE: The Ohio State University			GRANT/PROJECT NO.: A/EP-5 (Regional Fish Ext.)	
PRINCIPAL INVESTIGATOR: Frank R. Lichtkoppler and Jeffrey M. Reutter			DURATION (months) : <div style="display: flex; justify-content: space-around;">12 months1 Yr.</div>	
SALARIES AND WAGES:			Sea Grant Funds	Matching Funds
	man-months No. of People	Amount of Effort		
1. Senior Personnel				
a. (Co) Principal Investigator:	1	1.3		\$9,419
b. Associates (Faculty or Staff):	2	2.4	\$13,851	
Sub Total:	3	3.7	\$13,851	
2. Other Personnel				
a. Professionals:				
b. Research Associates:				
c. Res. Asst./Grad. Students:				
d. Prof. School Students:				
e. Pre-Bachelor Student(s):				
f. Secretarial-Clerical:				
g. Technicians:				
h. Other:				
Total Salaries and Wages:	2	3.7	\$13,851	\$9,419
B. FRINGE BENEFITS:			\$3,601	\$2,487
Total Personnel (A and B):			\$17,452	\$11,906
C. PERMANENT EQUIPMENT:			0	0
D. EXPENDABLE SUPPLIES AND EQUIPMENT:			\$500	0
E. TRAVEL:				
1. Domestic			\$1,000	0
2. International				
Total Travel:			\$1,000	0
F. PUBLICATION AND DOCUMENTATION COSTS:			\$1,758	0
G. OTHER COSTS:				
1. postage for mail surveys			\$3,100	0
3.				
4.				
5.				
Etc.				
Total Other Costs:			\$3,100	0
TOTAL DIRECT COST (A through G):			\$23,810	\$11,906
INDIRECT COST (On campus 47 % of 0):			0	0
INDIRECT COST (Off campus 26 % of \$23,810/\$11,906):			\$6,190	\$3,095
Total Indirect Cost:			\$6,190	\$3,095
TOTAL COSTS:			I \$30,000	\$15,001

OHIO SEA GRANT PROJECT SUMMARY FORM

(1) INSTITUTION: The Ohio State University (1a) ICODE:
(2) TITLE: Ohio: Regional Fisheries Extension
(3) PROJECT NUMBER: A/EP-5 (4) REVISION DATE: 2-22-02
(5) PROJECT STATUS: (6) INITIATION DATE: 3/1/02
(7) COMPLETION DATE: 2/28/03
(8) SUB PROGRAM:

(9) PRINCIPAL INVESTIGATOR: Frank Lichtkoppler (9a) EFFORT: 1.2 months
(9b) AFFILIATION: Ohio Sea Grant Extension, Ohio State University
(9c) AFFILIATION CODE:

(10) CO-PRINCIPAL INVESTIGATOR: J. M. Reutter (10a) EFFORT: 1.3 months
(10b) AFFILIATION: Ohio Sea Grant and Stone Laboratory, Ohio State University
(10c) AFFILIATION CODE:

(11) ASSOCIATE INVESTIGATOR 1: (11a) EFFORT:
(11 b) AFFILIATION:
(11 c) AFFILIATION CODE:

(12) ASSOCIATE INVESTIGATOR 2: (12a) EFFORT:
(12b) AFFILIATION:
(12c) AFFILIATION CODE:

(13) S.G. FUNDS: \$30,000 (14) STATE MATCHING FUNDS: \$15,001
(15) LAST YEARS SG FUNDS: (16) LAST YEARS MATCHING FUNDS:
(17) PASS-THROUGH FUNDS: (18) LAST YEARS PASS-THROUGH FUNDS:
(19) RELATED PROJECTS: A/EP-1
(20) PARENT PROJECTS:
(21) SEA GRANT STRATEGIC PLAN CLASSIFICATION:

(22) OBJECTIVES: To promote sustainable sport **fisheries** on the Great Lakes by developing educational information of use to the Great Lakes charter industry and key leaders in the Great Lakes.

(23) METHODOLOGY: We intend to survey the Great Lakes charter industry in order to describe the industry and the environment in which it operates. We will analyze the 2002 business conditions of Great Lakes charter **firms** and compare and contrast the data **from** the 2002 season with results **from** our previous 1994 Great Lakes wide charter survey. A baseline survey of the Lake Champlain Charter industry will also be conducted and separately analyzed. Ohio (Frank Lichtkoppler) will provide the leadership for conducting this survey with the assistance of New York, Michigan Lake Champlain and the other Great Lakes Sea Grant

programs. Funds for faculty time, survey development, implementation, postage, expendable supplies, publications, reports, and travel are included.

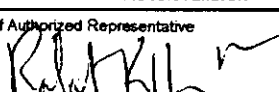

Ohio will take the lead in developing concise informational products based on an introductory aquatic science curriculum now being used at Ohio State's F.T. Stone Laboratory located on Gibraltar Island in Lake Erie's western basin. This includes basic food web science, base of the food web impacts on fish, benthic organisms & fish interactions, basic **fish** biology, and beginning fish identification. Current Great Lakes science, case studies, and current issues will be included. To the greatest extent possible the use of existing materials will be encouraged. All Great Lakes Sea Grant programs and many of our federal agency partners (such as NOAA's Great Lakes Environmental Research Laboratory) will provide input into this module. Funds for faculty time, travel and publications are included.

(24) RATIONALE: The Great Lakes Charter industry is an excellent case study of a water dependent, resource based, tourism business that can have **significant** economic impact in small coastal communities. The charter industry provides important angler access to sport fishing in the Great Lakes. Charter captains are important "gatekeepers" of angling information and may have valuable insight into angler issues, **fishery** concerns and social values that should be incorporated into fishery management decisions. Leaders who understand the needs, issues and business conditions of the Great Lakes charter industry will be better prepared to work to help improve the viability of this important sport fishing sector.

Leaders interested in Great Lakes fishery issues need to understand the biological basis for fish production in the natural waters of the Great Lakes. This module is an attempt to reduce the biological information and understanding gap between key users of the resource and biologists who manage the resource.

APPLICATION FOR FEDERAL ASSISTANCE

1. TYPE OF SUBMISSION <i>Application</i> <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction		2. DATE SUBMITTED 1 April 2002		Applicant Identifier	
		3. DATE RECEIVED BY STATE		State Applicant Identifier	
Preapplication <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		4. DATE RECEIVED BY FEDERAL AGENCY		Federal Identifier	

5. APPLICANT INFORMATION					
Legal Name: The Pennsylvania State University			Organizational Unit: Penn State Erie		
Address (give city, county, state, and zip code): Office of Sponsored Programs 110 Technology Center Building University Park, PA 16802			Name and telephone number of person to be contacted on matters involving this application (give area code) Technical: Eric Obert 814-898-6453 Budgetary: Bob Light 814-898-6160 Contractual: Rob Baker 814-863-0715		
6. EMPLOYER IDENTIFICATION NUMBER (EIN): <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 2 4 - 6 0 0 0 3 7 6 </div>			7. TYPE OF APPLICANT: (enter appropriate letter in box) N		
8. TYPE OF APPLICATION: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es): A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration Other (specify):			A. State H. Independent School Dist. B. County I. State Controlled Institution of Higher Learning C. Municipal J. Private University D. Township K. Indian Tribe E. Interstate L. Individual F. Intermunicipal M. Profit Organization G. Special District N. Other (Specify) <u>State-related higher education</u>		
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: <div style="border: 1px solid black; padding: 5px; display: inline-block;"> 1 1 - 4 1 7 </div>			9. NAME OF FEDERAL AGENCY: NOAA		
11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: <p style="text-align: center;">Great Lakes Regional Fisheries Extension Enhancement Work Plan: Great Lakes Fisheries Leadership Curriculum Development</p>			12. AREAS AFFECTED BY PROJECT (cities, counties, states, etc.): Erie County Pennsylvania		
3. PROPOSED PROJECT: Start Date: 1 March 2002 Ending Date: 28 February 2003		14. CONGRESSIONAL DISTRICTS OF: a. Applicant: 5th b. Project: 21st			
5. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?			
Federal: 13,000 Applicant: 6,534 State: Local: Other: Program Income: TOTAL: 19,534		a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE _____ b. NO. <input checked="" type="checkbox"/> PROGRAM IS NOT COVERED BY E.O. 12372 <input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW			
		17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT? <input type="checkbox"/> Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No			
TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.					
Typed Name of Authorized Representative Robert Killoren		b. Title Assistant VP for Research		c. Telephone number 814-865-1372	
Signature of Authorized Representative 				e. Date Signed 	

SEA GRANT BUDGET FORM 90-4

GRANTEE: Penn State			GRANT/PROJECT NO.:	
PRINCIPAL INVESTIGATOR: Eric Obert			DURATION (months) : 12 Period 03/1/02-02/28/03 months Yr.	
SALARIES AND WAGES:		man-months	Sea Grant	Matching
	No. of	Amount	Funds	Funds
1. Senior Personnel	People	of		
a. (Co) Principal Investigator:	1	8%	\$5,246	
b. Associates (Faculty or Staff):	1	1%		\$625
2. Other Personnel				
a. Professionals:				
b. Research Associates:				
c. Res. Asst./Grad. Students:				
d. Prof. School Students:				
e. Pre-Bachelor Student(s):	1	\$8/ h x 80 h	\$640	
f. Secretarial-Clerical:				
g. Technicians:				
h. Other:				
Total Salaries and Wages:			\$5,886	\$625
B. FRINGE BENEFITS:			\$1,380	\$158
Total Personnel (A and B):				
C. PERMANENT EQUIPMENT:				
D. EXPENDABLE SUPPLIES AND EQUIPMENT:			4	1
E. TRAVEL:				
1. Domestic				
2. International				
Total Travel:				
F. PUBLICATION AND DOCUMENTATION COSTS:			\$3,800	
G. OTHER COSTS: professional services (5 x 970)				\$4,850
Total Other Costs:				4,850
TOTAL DIRECT COST (A through G):			2	0 7 \$ 5 . 6 3 3
INDIRECT COST (On campus % of):				
INDIRECT COST (Off campus: 16% of \$11,207 and \$5,633):			\$1,793	\$901
Total Indirect Cost:				
TOTAL COSTS:			\$13,000	\$6,534

SEA GRANT PROJECT SUMMARY FORM

- (1) INSTITUTION: Pennsylvania Sea **Grant** (1a) **ICODE**:
(2) **TITLE**: **Great** Lakes Regional Fisheries Extension Enhancement Work Plan Great Lakes Fisheries Leadership Curriculum Development
(3) PROJECT NUMBER: (4) **REVISION** DATE:
(5) PROJECT STATUS: (6) INITIATION **DATE**: 3/1/02
(7) COMPLETION DATE: 2/28/03
(8) SUB PROGRAM: Fisheries Extension
(9) PRINCIPAL INVESTIGATOR Eric **Obert** eco1@psu.edu 9a) EFFORT: 0.% months
(9b) AFFILIATION: Pennsylvania Sea Grant
(9c) AFFILIATION CODE:

- (13) S.G. **FUNDS**: \$13,000 (14) STATE MATCHING **FUNDS**: \$6,534
(15) LAST YEAR'S SG FUNDS: (16) **LAST** YEARS MATCHING FUNDS:
(17) PASS-THROUGH FUNDS: (I 8) LAST YEAR'S PASS-THROUGH FUNDS:
(19) RELATED PROJECTS:
(20) PARENT PROJECTS:

(21) SEA GRANT STRATEGIC PLAN CLASSIFICATION:

(22) OBJECTIVES: The goal of the Great Lakes Sea Grant Network Fisheries Extension Enhancement Program is to develop a consistent **curriculum** for training fisheries **stakeholders** throughout the Great Lakes basin. Development of a consistent curriculum will greatly enhance regional **integration** of Great Lakes fisheries extension efforts. This curriculum will be **specifically** targeted to enable emerging leadership to effectively participate in public policy decision-making as it relates to **Great** Lakes and Lake Champlain fishery resources

(23) METHODOLOGY: Pennsylvania Sea Grant **will** lead in the development of **curriculum** Module 4: **Contaminant Issues Relevant to Great Lakes Fisheries with the** assistance of Ohio and Michigan Sea Grant. Scientist's in **GLERL**, **USGS**, **USFWS** and the **GLFC** will be asked to contribute relevant papers on this subject. Toxic chemical **contaminants are** a critical issue for the Great Lakes **fishery** in terms of sustainability of the fishery (habitat and reproduction) as **well** as public safety (consumption). Scientists have detected more **than** 360 **contaminants in** the Great Lakes ecosystem, many of which **are** known to have an adverse impact on plant and animal life, including humans. **The** International Joint Commission (**IJC**) has identified 11 of these contaminants as posing the greatest concern. As a **result** the **IJC** has designated 43 sites in the Great Lakes as Areas of Concern due primarily to sediment **contamination**. Topics to be covered in the curriculum include:

1. Fish advisories – focusing on current fish consumption advisories listed for the Great Lakes, at-risk **populations, contaminants** of concern, and the use of risk assessments and epidemiological studies in developing consumption advisories;
2. Fish tumors – focusing on the role that pollutants play in tumor formation in fish and how this is being used as an indicator of water quality and sediment conditions in Great Lakes' Areas of **Concern**;
3. **Avian** botulism – including information on the current outbreak in **Lake** Erie and possible **ramifications** relating to fish and bird kills and human health concerns;
4. **Estrogenic** substances – examining their suspected role in hormone mimicking and how they may **affect the** fish and wildlife populations in the Great Lakes.

(24) RATIONALE: **Pennsylvania** Sea Grant extension program leader, Eric **Obert**, **will** take the lead on development of a **curriculum** for contaminant issues related to Great Lakes fisheries. Staff from Ohio and Michigan Sea Grant will assist in the curriculum development, with Great Lakes Environmental Research **Laboratory** and United States Geological Survey researchers providing case studies and current research related to contaminants levels and effects on **Great** Lakes' fish.

Office of Sponsored Programs

March 20, 2002

FEDERAL EXPRESS

Rochelle Sturtevant
Sea Grant Extension Agent
G L Environment Research Lab
2205 Commonwealth Boulevard
Ann Arbor, MI 48105

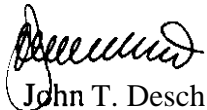
Dear Ms. Sturtevant:

Enclosed please find a proposal entitled "Great Lakes Regional Fisheries Extension Enhancement Work Plans: Great Lakes Fisheries Leadership Curriculum Development," which is under the direction of Dale Baker, Associate Director, New York State Sea Grant, Cornell Cooperative Extension.

Funding for the period September 1, 2002, through August 31, 2003, is \$10,318.

We appreciate your consideration of this proposal. Feel free to contact me at (607) 255-2939 with any questions or concerns. Thank you.

Sincerely,



John T. Desch
Senior Grant and Contract Officer
Jtd4@cornell.edu

JTDss
Enclosure

c: N. Greenawalt
R. Dollaway

Please refer to OSP# 42227 on all future correspondence.

A Proposal to
The National Sea Grant **Office, R/SG**
Attn: Geraldine Taylor, Proposals Processing
NOAA
1315 East-West Highway
Silver Springs, MD 20910

Project Title: Great Lakes Regional Fisheries Extension Enhancement Work Plan: Great Lakes Fisheries Leadership Curriculum Development

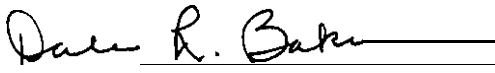
Duration: **9/1/01-8/31/02**

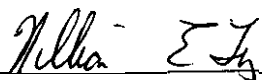
Federal Funds Requested:
2001: \$13,000


Matching Funds Proposed:
2001: \$6,500

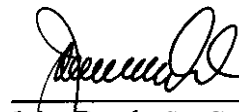
Principal Investigator: Dale Baker, Program Leader
New York Sea Grant
340 Roberts Hall
Cornell University
Ithaca, NY 14853-4203
Telephone: (607) 255-2832

David G. White
New **York** Sea Grant
SUNY at Oswego
Oswego, NY 13126-3599
Telephone: (3 15) 3 12-3042


Dale R. Baker, Program Leader
New York Sea Grant
340 Roberts Hall, Cornell University
Ithaca, NY 14853


William Fry, Sr. Associate Dean
College of Agriculture and Life Science
Cornell University
Ithaca, NY 14853


D. Merrill Ewert, Director
Cornell Cooperative Extension
276 Roberts Hall, Cornell University
Ithaca, NY 14853


John Desch, Sr. Grants and Contracts Officer
Office of Sponsored Programs
Day Hall, Cornell University
Ithaca, NY 14853

GRANTEE: Cornell University

PROJECT NUMBER:

PROJECT TITLE:

PROJECT STATUS:

Great Lakes Regional Fisheries Extension Enhancement Work Plan:
Great Lakes Fisheries Leadership Curriculum Development

DURATION: 12 Months

PRINCIPAL INVESTIGATOR(S):

Dale Baker, David White

A. SALARY & WAGES**1. SENIOR PERSONNEL**

	NO. OF PERSONNEL	MONTHS	SEA GRANT FUNDS	GRANTEE SHARE
a. (Co) Principal Investigator(s):	1	0.5		2,919
b. Associates (Faculty or Staff):	1	1.7	6,226	
Sub Total:			6,226	2,919

2. OTHER PERSONNEL

a. Professional(s):				
b. Research Associate(s):				
c. Research Asst. Grad. Student(s):				
d. Prof. School Student(s):				
e. Pre-Bac. Student(s):				
f. Secretarial-Clerical:				
g. Technical-shop:				
h. Misc.:				
Total Salary:			6,228	2,919

B. FRINGE BENEFITS: 33.55% of \$6,228 Match @ 37.05% of \$2,91

1. Total Salary and Fringe Benefits:			2,089	1,081
			8,317	4,000

C. PERMANENT EQUIPMENT:**D. EXPENDABLE SUPPLIES AND EQUIPMENT:****E. TRAVEL**

1. Domestic U.S. (Inc. Puerto Rico) 1.				
2. International 2.				
3. Total Travel:				

F. PUBLICATIONS AND DOCUMENTATION COSTS:**G. OTHER COSTS**

1. Computer Costs:				
2. Equipment Rental:				
3. Stipend/Tuition Waiver/Sea Grant Scholars:				
4. Maintenance:				
5. Technical Services:				
6. Support Services:				
7. Consultant:				
8. Other: Workshop Participant Expenses				
9. Subcontract:				
10.				
Total Other Costs:			0	0

TOTAL DIRECT COSTS:**INDIRECT COSTS**

On Campus: Sea Grant Match @ 62.5% of \$4,000				2,500
Off Campus: Sea Grant @ 26% of \$10,317			2,683	
TOTAL CORNELL INDIRECT COSTS			2,683	2,500
TOTAL CORNELL COSTS			13,000	6,500

Budget Justification

Salaries: Funds in the amount of \$6,228 are requested for 1.7 months of a New York Sea Grant Tourism Specialist's salary.

Fringe Benefits: Calculated at the federally negotiated rate of 33.55% of \$6,228, fringe benefits total \$2,089.

Publications and Documentations costs: \$2,000 is requested for the lay-out, design, development, and printing of guidebook.

Indirect Costs: Calculated at the federally negotiated off-campus rate of 26% of \$10,319, **IDC** amounts to \$2,683.

Match Justification

Salaries: \$2,919 for .5 months of the Associate Director/Program Leader's salary.

Fringe Benefits: Calculated at the non-federal rate of 37.05% of \$2,919, fringe benefits amount to \$1,081.

Indirect Costs: Calculated at the federally negotiated on-campus rate of 62.5% of \$4,000 IDC equals \$2,500.

Project Record Form

Institution: New York Sea Grant

Title: Great Lakes Regional Fisheries Extension Enhancement Work Plan Great Lakes Fisheries Leadership Curriculum Development

Initiation Date: 9/1/02

Completion Date: 8/31/03

Principal Investigator: Dale R. Baker

Affiliation: New York Sea Grant

Effort (months): Year 1: .4

Co-Principal Investigator: David White

Affiliation: New York Sea Grant

Effort (months): Year 1: 0

Proposed Sea Grant Funds:

Year 1: \$13,000

Proposed Match Funds:

Year 1: \$6,500

Keywords: Fisheries, public participation, leadership development

Objectives: To develop a comprehensive, consistent curriculum for training emerging Great Lakes Fisheries leaders aimed at instilling the following essential skills and knowledge:

1. Basic understanding of opportunities for increasing public participation in the Great Lakes fisheries.

Methods:

A core curriculum module entitled "Public Participation" will be developed to include A *Community Guide to Increasing Fishing Participation in the Great Lakes* guidebook.

Rationale:

The outcome of this work will be to develop one component of a comprehensive, consistent set of curriculum materials for use by all of the Great Lakes Sea Grant programs which will serve *as* the foundation for a long-term, sustained expansion of the Great Lakes Sea Grant Fisheries extension program. Development of this consistent curriculum will increase integration of the Great Lakes Sea Grant Network fisheries programming while maintaining flexible local implementation.



GRANTEE: University of Vermont and State Agricultural College

PROJECT NUMBER:

PROJECT TITLE:

PROJECT STATUS:

Great Lakes Fisheries Leadership Curriculum Development: Lake
Champlain component

DURATION: 12 Months

PRINCIPAL INVESTIGATOR(S):

Jurij Homziak

A. SALARY & WAGES**1. SENIOR PERSONNEL**NO. OF
PERSONNEL

MONTHS

SEA GRANT
FUNDSGRANTEE
SHARE

a. (Co) Principal Investigator(s):

Jurij Homziak

0

0

0

b. Associates (Faculty or Staff):

Sub Total:

0

0

2. OTHER PERSONNEL

a. Professional(s):

b. Research Associate(s):

c. Research Asst. Grad. Student(s):

1

0

d. Prof. School Student(s):

e. Pre-Bac. Student(s):

5,000

f. Secretarial-Clerical:

g. Technical-shop:

h. Misc.:

Total Salary:

5,000

5,000

B. FRINGE BENEFITS:

400

1. Total Salary and Fringe Benefits:

5,400

5,000

C. PERMANENT EQUIPMENT:**D. EXPENDABLE SUPPLIES AND EQUIPMENT:**

0

E. TRAVEL

1. Domestic U.S. (Inc. Puerto Rico) 1.

2. International 2.

3. Total Travel:

1,500

F. PUBLICATIONS AND DOCUMENTATION COSTS:

500

G. OTHER COSTS

1. Computer Costs:

2. Equipment Rental:

0

3. Stipend/Tuition Waiver/Sea Grant Scholars:

4. Maintenance:

5. Technical Services:

6. Support Services:

7. Consultant:

8. Other:

Communications

433

0

9. Subcontract:

0

0

10.

Total Other Costs:

433

0

TOTAL DIRECT COSTS:

7,833

5,000

INDIRECT COSTS

On Campus: Sea Grant

14.9%

of

7,833

1,167

match

14.9%

of

5,000

0

Off Campus: Sea Grant

Total Indirect Costs:

1,167

0

TOTAL COSTS:

9,000

5,000

Project Record Form

Institution: New York Sea Grant Institute

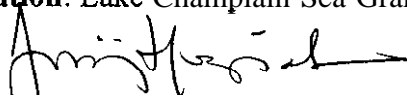
Title: Great Lakes Fisheries Leadership Curriculum Development: Lake Champlain Component

Initiation Date: 9/1/02

Completion Date: 8/1/03

Principal Investigator: Jurij Homziak

Affiliation: Lake Champlain Sea Grant



Effort (months): Year 1: 0.1 mo.

Co-Principal Investigator: Mark Malchoff

Affiliation: Lake Champlain Sea Grant

Effort (months): Year 1: 0.1 mo.

Proposed Sea Grant Funds:

Year 1: \$9,000

Proposed Match Funds:

Year 1: \$5,000

Keywords: Fisheries, public participation, leadership development

Objectives: To develop a comprehensive, consistent curriculum for training emerging Great Lakes Fisheries leaders aimed at instilling the following essential skills and knowledge:

1. Basic understanding of opportunities for increasing public participation in the management of Great Lakes and Lake Champlain fisheries.

Methods: Develop a core curriculum module entitled "Public Participation", including *A Community Guide to Increasing Fishing Participation in the Great Lakes* guidebook.

Rationale: The outcome of this work will be to develop one component of a comprehensive, consistent set of curriculum materials for use by all of the Great Lakes Sea Grant programs which will serve as the foundation for a long-term, sustained expansion of the Great Lakes Sea Grant Fisheries extension program. Development of this consistent curriculum will increase integration of the Great Lakes Sea Grant Network fisheries programming while maintaining flexible local implementation.